

TABLE 2

DP178 CARBOXY TRUNCATIONS

5	YTS	
	YTS <sub>L</sub>	
	YTS <sub>LI</sub>	
	YTS <sub>LIH</sub>	SEQ ID NO:116
	YTS <sub>LIHS</sub>	SEQ ID NO:115
10	YTS <sub>LIHSL</sub>	SEQ ID NO:114
	YTS <sub>LIHSLI</sub>	SEQ ID NO:113
	YTS <sub>LIHSLIE</sub>	SEQ ID NO:112
	YTS <sub>LIHSLIEE</sub>	SEQ ID NO:111
	YTS <sub>LIHSLIEES</sub>	SEQ ID NO:110
15	YTS <sub>LIHSLIEESQ</sub>	SEQ ID NO:109
	YTS <sub>LIHSLIEESQN</sub>	SEQ ID NO:108
	YTS <sub>LIHSLIEESQNQ</sub>	SEQ ID NO:107
	YTS <sub>LJHSLJEESQNQQ</sub>	SEQ ID NO:106
	YTS <sub>LIHSLIEESQNQQE</sub>	SEQ ID NO:105
20	YTS <sub>LIHSLIEESQNQQEK</sub>	SEQ ID NO:104
	YTS <sub>LIHSLIEESQNQQEKN</sub>	SEQ ID NO:103
	YTS <sub>LIHSLIEESQNQQEKNE</sub>	SEQ ID NO:102
	YTS <sub>LIHSLIEESQNQQEKNEQ</sub>	SEQ ID NO:101
	YTS <sub>LIHSLIEESQNQQEKNEQE</sub>	SEQ ID NO:100
25	YTS <sub>LIHSLIEESQNQQEKNEQEL</sub>	SEQ ID NO:99
	YTS <sub>LIHSLIEESQNQQEKNEQELL</sub>	SEQ ID NO:98
	YTS <sub>LIHSLIEESQNQQEKNEQELLE</sub>	SEQ ID NO:97
	YTS <sub>LIHSLIEESQNQQEKNEQELLEL</sub>	SEQ ID NO:96
	YTS <sub>LIHSLIEESQNQQEKNEQELLELD</sub>	SEQ ID NO:95
30	YTS <sub>LIHSLIEESQNQQEKNEQELLELDK</sub>	SEQ ID NO:94

*q<sup>3</sup> cont'd.*

YTSЛИHSLIEESQNQQEKNEQELLELDKW	SEQ ID NO:93
YTSЛИHSLIEESQNQQEKNEQELLELDKWA	SEQ ID NO:92
YTSЛИHSLIEESQNQQEKNEQELLELDKWAS	SEQ ID NO:91
YTSЛИHSLIEESQNQQEKNEQELLELDKWASL	SEQ ID NO:90
5 YTSЛИHSLIEESQNQQEKNEQELLELDKWASLW	SEQ ID NO:89
YTSЛИHSLIEESQNQQEKNEQELLELDKWASLWN	SEQ ID NO:88
YTSЛИHSLIEESQNQQEKNEQELLELDKWASLWNW	SEQ ID NO:87
YTSЛИHSLIEESQNQQEKNEQELLELDKWASLWNWF	SEQ ID NO:1

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10 The one letter amino acid code of Table 1 is used.

93

TABLE 3

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DP178 AMINO TRUNCATIONS

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5		
	NWF	
	WNWF	
	LWNWF	
10	SLWNWF	SEQ ID NO:146
	ASLWNWF	SEQ ID NO:145
	WASLWNWF	SEQ ID NO:144
	KWASLWNWF	SEQ ID NO:143
	DKWASLWNWF	SEQ ID NO:142
15	LDKWASLWNWF	SEQ ID NO:141
	ELDKWASLWNWF	SEQ ID NO:140
	LELDKWASLWNWF	SEQ ID NO:139
	LLELDKWASLWNWF	SEQ ID NO:138
	ELLELDKWASLWNWF	SEQ ID NO:137
20	QELLELDKWASLWNWF	SEQ ID NO:136
	EQELLELDKWASLWNWF	SEQ ID NO:135
	NEQELLELDKWASLWNWF	SEQ ID NO:134
	KNEQELLELDKWASLWNWF	SEQ ID NO:133
	EKNEQELLELDKWASLWNWF	SEQ ID NO:132
25	QEKNQELLELDKWASLWNWF	SEQ ID NO:131
	QQEKNEQELLELDKWASLWNWF	SEQ ID NO:130
	NQQEKNEQELLELDKWASLWNWF	SEQ ID NO:129
	QNQQEKNEQELLELDKWASLWNWF	SEQ ID NO:128
	SQNQQEKNEQELLELDKWASLWNWF	SEQ ID NO:127
30	ESQNQQEKNEQELLELDKWASLWNWF	SEQ ID NO:126

	EESQNQQEKNEQELLELDKWASLWNWF	SEQ ID NO:125
	IEESQNQQEKNEQELLELDKWASLWNWF	SEQ ID NO:124
	LIEESQNQQEKNEQELLELDKWASLWNWF	SEQ ID NO:123
	SLIEESQNQQEKNEQELLELDKWASLWNWF	SEQ ID NO:122
5	HSLIEESQNQQEKNEQELLELDKWASLWNWF	SEQ ID NO:121
	IHSЛИEESQNQQEKNEQELLELDKWASLWNWF	SEQ ID NO:120
	LIHSLIEESQNQQEKNEQELLELDKWASLWNWF	SEQ ID NO:119
	SLIHSЛИEESQNQQEKNEQELLELDKWASLWNWF	SEQ ID NO:118
	TSЛИHSЛИEESQNQQEKNEQELLELDKWASLWNWF	SEQ ID NO:117
10	YTSЛИHSЛИEESQNQQEKNEQELLELDKWASLWNWF	SEQ ID NO:1

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The one letter amino acid code of Table 1 is used.

AB

TABLE 4

DP107 CARBOXY TRUNCATIONS

5	NNL	
	NNLL	
	NNLLR	
	NNLLRA	SEQ ID NO:178
	NNLLRAI	SEQ ID NO:177
10	NNLLRAIE	SEQ ID NO:176
	NNLLRAIEA	SEQ ID NO:175
	NNLLRAIEAQ	SEQ ID NO:174
	NNLLRAIEAQHQ	SEQ ID NO:173
	NNLLRAIEAQHQH	SEQ ID NO:172
15	NNLLRAIEAQHQHL	SEQ ID NO:171
	NNLLRAIEAQHQHLL	SEQ ID NO:170
	NNLLRAIEAQHQHLLQ	SEQ ID NO:169
	NNLLRAIEAQHQHLLQL	SEQ ID NO:168
	NNLLRAIEAQHQHLLQLT	SEQ ID NO:167
20	NNLLRAIEAQHQHLLQLTV	SEQ ID NO:166
	NNLLRAIEAQHQHLLQLTVW	SEQ ID NO:165
	NNLLRAIEAQHQHLLQLTVWQ	SEQ ID NO:164
	NNLLRAIEAQHQHLLQLTVWQI	SEQ ID NO:163
	NNLLRAIEAQHQHLLQLTVWQIK	SEQ ID NO:162
25	NNLLRAIEAQHQHLLQLTVWQIKQ	SEQ ID NO:161
	NNLLRAIEAQHQHLLQLTVWQIKQL	SEQ ID NO:160
	NNLLRAIEAQHQHLLQLTVWQIKQLQ	SEQ ID NO:159
	NNLLRAIEAQHQHLLQLTVWQIKQLQA	SEQ ID NO:158
	NNLLRAIEAQHQHLLQLTVWQIKQLQAR	SEQ ID NO:157
30	NNLLRAIEAQHQHLLQLTVWQIKQLQARI	SEQ ID NO:156

	NNLLRAIEAQHQHLLQLTVWQIKQLQARIL	SEQ ID NO:155
	NNLLRAIEAQHQHLLQLTVWQIKQLQARILA	SEQ ID NO:154
	NNLLRAIEAQHQHLLQLTVWQIKQLQARILAV	SEQ ID NO:153
	NNLLRAIEAQHQHLLQLTVWQIKQLQARILAVE	SEQ ID NO:152
5	NNLLRAIEAQHQHLLQLTVWQIKQLQARILAVER	SEQ ID NO:151
	NNLLRAIEAQHQHLLQLTVWQIKQLQARILAVERY	SEQ ID NO:150
	NNLLRAIEAQHQHLLQLTVWQIKQLQARILAVERYL	SEQ ID NO:149
	NNLLRAIEAQHQHLLQLTVWQIKQLQARILAVERYLK	SEQ ID NO:148
	NNLLRAIEAQHQHLLQLTVWQIKQLQARILAVERYLKD	SEQ ID NO:147
10	NNLLRAIEAQHQHLLQLTVWQIKQLQARILAVERYLKDQ	SEQ ID NO:2

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The one letter amino acid code of Table 1 is used.

AB

TABLE 5

DP107 AMINO TRUNCATIONS

5	KDQ	
	LKDQ	
	YLKDQ	
	RYLKQDQ	SEQ ID NO:210
	ERYLKQDQ	SEQ ID NO:209
10	VERYLKQDQ	SEQ ID NO:208
	AVERYLKQDQ	SEQ ID NO:207
	LAVERYLKQDQ	SEQ ID NO:206
	ILAVERYLKQDQ	SEQ ID NO:205
	RILAVERYLKQDQ	SEQ ID NO:204
15	ARILAVERYLKQDQ	SEQ ID NO:203
	QARILAVERYLKQDQ	SEQ ID NO:202
	LQARILAVERYLKQDQ	SEQ ID NO:201
	QLQARILAVERYLKQDQ	SEQ ID NO:200
	KQLQARILAVERYLKQDQ	SEQ ID NO:199
20	IKQLQARILAVERYLKQDQ	SEQ ID NO:198
	QIKQLQARILAVERYLKQDQ	SEQ ID NO:197
	WQIKQLQARILAVERYLKQDQ	SEQ ID NO:196
	VWQIKQLQARILAVERYLKQDQ	SEQ ID NO:195
	TVWQIKQLQARILAVERYLKQDQ	SEQ ID NO:194
25	LTVWQIKQLQARILAVERYLKQDQ	SEQ ID NO:193
	QLTVWQIKQLQARILAVERYLKQDQ	SEQ ID NO:192
	LQLTVWQIKQLQARILAVERYLKQDQ	SEQ ID NO:191
	LLQLTVWQIKQLQARILAVERYLKQDQ	SEQ ID NO:190
	HLLQLTVWQIKQLQARILAVERYLKQDQ	SEQ ID NO:189
30	QHLLQLTVWQIKQLQARILAVERYLKQDQ	SEQ ID NO:188

	QQHLLQLTVWQIKQLQARILAVERYLKDQ	SEQ ID NO:187
	AQQHLLQLTVWQIKQLQARILAVERYLKDQ	SEQ ID NO:186
	EAQQHLLQLTVWQIKQLQARILAVERYLKDQ	SEQ ID NO:185
	IEAQHQHLLQLTVWQIKQLQARILAVERYLKDQ	SEQ ID NO:184
5	AIEAQHQHLLQLTVWQIKQLQARILAVERYLKDQ	SEQ ID NO:183
	RAIEAQHQHLLQLTVWQIKQLQARILAVERYLKDQ	SEQ ID NO:182
	LRAIEAQHQHLLQLTVWQIKQLQARILAVERYLKDQ	SEQ ID NO:181
	LLRAIEAQHQHLLQLTVWQIKQLQARILAVERYLKDQ	SEQ ID NO:180
	NLLRAIEAQHQHLLQLTVWQIKQLQARILAVERYLKDQ	SEQ ID NO:179
10	NNLLRAIEAQHQHLLQLTVWQIKQLQARILAVERYLKDQ	SEQ ID NO:2

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The one letter amino acid code of Table 1 is used.

*AB*

TABLE 6

HIV-2<sub>NIHZ</sub> DP178 analog carboxy truncations

5	LEA	
	LEAN	
	LEANI	
	LEANIS	SEQ ID NO:240
	LEANISQ	SEQ ID NO:239
10	LEANISQS	SEQ ID NO:238
	LEANISQSL	SEQ ID NO:237
	LEANISQSLE	SEQ ID NO:236
	LEANISQSLEQ	SEQ ID NO:235
	LEANISQSLEQA	SEQ ID NO:234
15	LEANISQSLEQAQ	SEQ ID NO:233
	LEANISQSLEQAQI	SEQ ID NO:232
	LEANISQSLEQAQIQ	SEQ ID NO:231
	LEANISQSLEQAQIQQ	SEQ ID NO:230
	LEANISQSLEQAQIQQE	SEQ ID NO:229
20	LEANISQSLEQAQIQQEK	SEQ ID NO:228
	LEANISQSLEQAQIQQEKN	SEQ ID NO:227
	LEANISQSLEQAQIQQEKNM	SEQ ID NO:226
	LEANISQSLEQAQIQQEKNMY	SEQ ID NO:225
	LEANISQSLEQAQIQQEKNMYE	SEQ ID NO:224
25	LEANISQSLEQAQIQQEKNMYEL	SEQ ID NO:223
	LEANISQSLEQAQIQQEKNMYELQ	SEQ ID NO:222
	LEANISQSLEQAQIQQEKNMYELQK	SEQ ID NO:221
	LEANISQSLEQAQIQQEKNMYELQKL	SEQ ID NO:220
	LEANISQSLEQAQIQQEKNMYELQKLN	SEQ ID NO:219
30	LEANISQSLEQAQIQQEKNMYELQKLN	SEQ ID NO:218

	LEANISQSLEQAQIQQEKNMYLEQKLNSW	SEQ ID NO:217
	LEANISQSLEQAQIQQEKNMYLEQKLNSWD	SEQ ID NO:216
	LEANISQSLEQAQIQQEKNMYLEQKLNSWDV	SEQ ID NO:215
	LEANISQSLEQAQIQQEKNMYLEQKLNSWDVF	SEQ ID NO:214
5	LEANISQSLEQAQIQQEKNMYLEQKLNSWDVFT	SEQ ID NO:213
	LEANISQSLEQAQIQQEKNMYLEQKLNSWDVFTN	SEQ ID NO:212
	LEANISQSLEQAQIQQEKNMYLEQKLNSWDVFTNW	SEQ ID NO:211
	LEANISQSLEQAQIQQEKNMYLEQKLNSWDVFTNWL	SEQ ID NO:7

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10 The one letter amino acid code of Table 1 is used.

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TABLE 7

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HIV-2<sub>NIHZ</sub> DP178 analog amino truncations

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5	NWL	
	TNWL	
	FTNWL	
	VFTNWL	SEQ ID NO:270
	DVFTNWL	SEQ ID NO:269
10	WDVFTNWL	SEQ ID NO:268
	SWDVFTNWL	SEQ ID NO:267
	NSWDVFTNWL	SEQ ID NO:266
	LNSWDVFTNWL	SEQ ID NO:265
	KLNSWDVFTNWL	SEQ ID NO:264
15	QKLNSWDVFTNWL	SEQ ID NO:263
	LQKLNSWDVFTNWL	SEQ ID NO:262
	ELQKLNSWDVFTNWL	SEQ ID NO:261
	YELQKLNSWDVFTNWL	SEQ ID NO:260
	MYELQKLNSWDVFTNWL	SEQ ID NO:259
20	NMYELQKLNSWDVFTNWL	SEQ ID NO:258
	KNMYELQKLNSWDVFTNWL	SEQ ID NO:257
	EKNMYELQKLNSWDVFTNWL	SEQ ID NO:256
	QEKNMYELQKLNSWDVFTNWL	SEQ ID NO:255
	QQEKNMYELQKLNSWDVFTNWL	SEQ ID NO:254
25	IQQEKNMYELQKLNSWDVFTNWL	SEQ ID NO:253
	QIQQEKNMYELQKLNSWDVFTNWL	SEQ ID NO:252
	AQIQQEKNMYELQKLNSWDVFTNWL	SEQ ID NO:251
	QAQIQQEKNMYELQKLNSWDVFTNWL	SEQ ID NO:250
	EQAQIQQEKNMYELQKLNSWDVFTNWL	SEQ ID NO:249
30	LEQAQIQQEKNMYELQKLNSWDVFTNWL	SEQ ID NO:248

	SLEQAQIQQEKNMYELQKLNSWDVFTNWL	SEQ ID NO:247
	QSLEQAQIQQEKNMYELQKLNSWDVFTNWL	SEQ ID NO:246
	SQSLEQAQIQQEKNMYELQKLNSWDVFTNWL	SEQ ID NO:245
	ISQSLEQAQIQQEKNMYELQKLNSWDVFTNWL	SEQ ID NO:244
5	NISQSLEQAQIQQEKNMYELQKLNSWDVFTNWL	SEQ ID NO:243
	ANISQSLEQAQIQQEKNMYELQKLNSWDVFTNWL	SEQ ID NO:242
	EANISQSLEQAQIQQEKNMYELQKLNSWDVFTNWL	SEQ ID NO:241
	LEANISQSLEQAQIQQEKNMYELQKLNSWDVFTNWL	SEQ ID NO:7

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10 The one letter amino acid code of Table 1 is used.

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TABLE 8

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RESPIRATORY SYNCYTIAL VIRUS (RSV) DP107 F2 REGION ANALOG CARBOXY TRUNCATIONS		
5	YTS	
	YTSV	
	YTSVI	
	YTSVIT	SEQ ID NO:312
10	YTSVITI	SEQ ID NO:311
	YTSVITIE	SEQ ID NO:310
	YTSVITIEL	SEQ ID NO:309
	YTSVITIELS	SEQ ID NO:308
	YTSVITIELSN	SEQ ID NO:307
15	YTSVITIELSNI	SEQ ID NO:306
<i>A3</i>		
	YTSVITIELSNIK	SEQ ID NO:305
	YTSVITIELSNIKE	SEQ ID NO:304
	YTSVITIELSNIKEN	SEQ ID NO:303
	YTSVITIELSNIKENK	SEQ ID NO:302
20	YTSVITIELSNIKENKC	SEQ ID NO:301
	YTSVITIELSNIKENKCN	SEQ ID NO:300
	YTSVITIELSNIKENKNG	SEQ ID NO:299
	YTSVITIELSNIKENKNGT	SEQ ID NO:298
	YTSVITIELSNIKENKNGTD	SEQ ID NO:297
25	YTSVITIELSNIKENKNGTDA	SEQ ID NO:296
	YTSVITIELSNIKENKNGTDAK	SEQ ID NO:295
	YTSVITIELSNIKENKNGTDAKV	SEQ ID NO:294
	YTSVITIELSNIKENKNGTDAKVK	SEQ ID NO:293
	YTSVITIELSNIKENKNGTDAKVKL	SEQ ID NO:292
30	YTSVITIELSNIKENKNGTDAKVKLJ	SEQ ID NO:291

	YTSVITIELSNIKENCNGTDAVKLIK	SEQ ID NO:290
	YTSVITIELSNIKENCNGTDAVKLIKQ	SEQ ID NO:289
	YTSVITIELSNIKENCNGTDAVKLIKQE	SEQ ID NO:288
	YTSVITIELSNIKENCNGTDAVKLIKQEL	SEQ ID NO:287
5	YTSVITIELSNIKENCNGTDAVKLIKQELD	SEQ ID NO:286
	YTSVITIELSNIKENCNGTDAVKLIKQELDK	SEQ ID NO:285
	YTSVITIELSNIKENCNGTDAVKLIKQELDKY	SEQ ID NO:284
	YTSVITIELSNIKENCNGTDAVKLIKQELDKYK	SEQ ID NO:283
	YTSVITIELSNIKENCNGTDAVKLIKQELDKYKN	SEQ ID NO:282
10	YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNA	SEQ ID NO:281
	YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAV	SEQ ID NO:280
	YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAV	SEQ ID NO:279
	YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTE	SEQ ID NO:278
	YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTEL	SEQ ID NO:277
15	YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTELQ	SEQ ID NO:276
	YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTELQL	SEQ ID NO:275
	YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTELQLL	SEQ ID NO:274
20	YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTELQLLM	SEQ ID NO:273
	YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTELQLLMQ	SEQ ID NO:272
25	YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTELQLLMQS	SEQ ID NO:271
	YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:13

TABLE 9

RESPIRATORY SYNCYTIAL VIRUS (RSV) DP107 F2  
REGION ANALOG AMINO TRUNCATIONS

5

	QST	
	MQST	
	LMQST	
	LLMQST	SEQ ID NO:353
10	QLLMQST	SEQ ID NO:352
	LQLLMQST	SEQ ID NO:351
	ELQQLMQST	SEQ ID NO:350
	TELQQLMQST	SEQ ID NO:349
	VTELQQLMQST	SEQ ID NO:348
15	AVTELQQLMQST	SEQ ID NO:347
	NAVTELQQLMQST	SEQ ID NO:346
	KNAVTELQQLMQST	SEQ ID NO:345
	YKNAVTELQQLMQST	SEQ ID NO:344
	KYKNAVTELQQLMQST	SEQ ID NO:343
20	DKYKNAVTELQQLMQST	SEQ ID NO:342
	LDKYKNAVTELQQLMQST	SEQ ID NO:341
	ELDKYKNAVTELQQLMQST	SEQ ID NO:340
	QELDKYKNAVTELQQLMQST	SEQ ID NO:339
	KQELDKYKNAVTELQQLMQST	SEQ ID NO:338
25	IKQELDKYKNAVTELQQLMQST	SEQ ID NO:337
	LIKQELDKYKNAVTELQQLMQST	SEQ ID NO:336
	KLIKQELDKYKNAVTELQQLMQST	SEQ ID NO:335
	VKLIKQELDKYKNAVTELQQLMQST	SEQ ID NO:334
	KVKLIKQELDKYKNAVTELQQLMQST	SEQ ID NO:333
30	AKVKLIKQELDKYKNAVTELQQLMQST	SEQ ID NO:332

	DAKVLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:331
	TDAKVLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:330
	GTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:329
	NGTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:328
5	CNGTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:327
	KCNGTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:326
	NKCNGTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:325
	KENKCNGTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:324
	IKENKCNGTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:323
10	NIKENKCNGTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:322
	SNIKENKCNGTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:321
	LSNIKENKCNGTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:320
	ELSNIKENKCNGTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:319
15	IELSNIKENKCNGTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:318
	TIELSNIKENKCNGTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:317
20	ITIELSNIKENKCNGTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:316
	VITIELSNIKENKCNGTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:315
	SVITIELSNIKENKCNGTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:314
25	TSVITIELSNIKENKCNGTDAVKLIKQELDKYKNAVTELQLLMQST	SEQ ID NO:313

*Q3*  
The one letter amino acid code of Table 1 is used.

TABLE 10

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RESPIRATORY SYNCYTIAL VIRUS (RSV) F1 DP178 REGION ANALOG CARBOXY TRUNCATIONS		
5	FYD	
	FYDP	
	FYDPL	
	FYDPLV	SEQ ID NO:385
10	FYDPLVF	SEQ ID NO:384
	FYDPLVFP	SEQ ID NO:383
	FYDPLVFPS	SEQ ID NO:382
	FYDPLVFPSD	SEQ ID NO:381
	FYDPLVFPSDE	SEQ ID NO:380
15	FYDPLVFPSDEF	SEQ ID NO:379
	FYDPLVFPSDEFD	SEQ ID NO:378
	FYDPLVFPSDEFDA	SEQ ID NO:377
	FYDPLVFPSDEFDAS	SEQ ID NO:376
20	FYDPLVFPSDEFDASI	SEQ ID NO:375
	FYDPLVFPSDEFDASIS	SEQ ID NO:374
	FYDPLVFPSDEFDASISQ	SEQ ID NO:373
	FYDPLVFPSDEFDASISQV	SEQ ID NO:372
	FYDPLVFPSDEFDASISQVN	SEQ ID NO:371
	FYDPLVFPSDEFDASISQVNE	SEQ ID NO:370
25	FYDPLVFPSDEFDASISQVNEK	SEQ ID NO:369
	FYDPLVFPSDEFDASISQVNEKI	SEQ ID NO:368
	FYDPLVFPSDEFDASISQVNEKIN	SEQ ID NO:367
	FYDPLVFPSDEFDASISQVNEKINQ	SEQ ID NO:366
	FYDPLVFPSDEFDASISQVNEKINQS	SEQ ID NO:365
30	FYDPLVFPSDEFDASISQVNEKINQSL	SEQ ID NO:364

	FYDPLVFPSDEFDASISQVNEKINQSLA	SEQ ID NO:363
	FYDPLVFPSDEFDASISQVNEKINQSLAF	SEQ ID NO:362
	FYDPLVFPSDEFDASISQVNEKINQSLAFI	SEQ ID NO:361
	FYDPLVFPSDEFDASISQVNEKINQSLAFIR	SEQ ID NO:360
5	FYDPLVFPSDEFDASISQVNEKINQSLAFIRK	SEQ ID NO:359
	FYDPLVFPSDEFDASISQVNEKINQSLAFIRKS	SEQ ID NO:358
	FYDPLVFPSDEFDASISQVNEKINQSLAFIRKSDE	SEQ ID NO:357
	FYDPLVFPSDEFDASISQVNEKINQSLAFIRKSDEL	SEQ ID NO:356
10	FYDPLVFPSDEFDASISQVNEKINQSLAFIRKSDELL	SEQ ID NO:355
		SEQ ID NO:354

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The one letter amino acid code of Table 1 is used.

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TABLE 11

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RESPIRATORY SYNCYTIAL VIRUS (RSV) F1 DP178 REGION ANALOG AMINO TRUNCATIONS		
5	DELL	
	SDELL	
	KSDELL	SEQ ID NO:416
	RKSDELL	SEQ ID NO:415
10	IRKSDELL	SEQ ID NO:414
	FIRKSDELL	SEQ ID NO:413
	AFIRKSDELL	SEQ ID NO:412
	LAFIRKSDELL	SEQ ID NO:411
	SLAFIRKSDELL	SEQ ID NO:410
15	QSLAFIRKSDELL	SEQ ID NO:409
	NQSLAFIRKSDELL	SEQ ID NO:408
	INQSLAFIRKSDELL	SEQ ID NO:407
	KINQSLAFIRKSDELL	SEQ ID NO:406
	EKINQSLAFIRKSDELL	SEQ ID NO:405
20	NEKINQSLAFIRKSDELL	SEQ ID NO:404
<i>d3</i>	VNEKINQSLAFIRKSDELL	SEQ ID NO:403
	QVNEKINQSLAFIRKSDELL	SEQ ID NO:402
	SQVNEKINQSLAFIRKSDELL	SEQ ID NO:401
	ISQVNEKINQSLAFIRKSDELL	SEQ ID NO:400
25	SISQVNEKINQSLAFIRKSDELL	SEQ ID NO:399
	ASISQVNEKINQSLAFIRKSDELL	SEQ ID NO:398
	DASISQVNEKINQSLAFIRKSDELL	SEQ ID NO:397
	FDASISQVNEKINQSLAFIRKSDELL	SEQ ID NO:396
	EFDASISQVNEKINQSLAFIRKSDELL	SEQ ID NO:395
30	DEFDASISQVNEKINQSLAFIRKSDELL	SEQ ID NO:394

	SDEFDASISQVNEKINQSLAFIRKSDELL	SEQ ID NO:393
	PSDEFDASISQVNEKINQSLAFIRKSDELL	SEQ ID NO:392
	FPSDEFDASISQVNEKINQSLAFIRKSDELL	SEQ ID NO:391
	VFPSDEFDASISQVNEKINQSLAFIRKSDELL	SEQ ID NO:390
5	LVFPSDEFDASISQVNEKINQSLAFIRKSDELL	SEQ ID NO:389
	PLVFPSDEFDASISQVNEKINQSLAFIRKSDELL	SEQ ID NO:388
	DPLVFPSDEFDASISQVNEKINQSLAFIRKSDELL	SEQ ID NO:387
	YDPLVFPSDEFDASISQVNEKINQSLAFIRKSDELL	SEQ ID NO:386

---

10 The one letter amino acid code of Table 1 is used.

13

TABLE 12

HUMAN PARAINFLUENZA VIRUS 3 (HPV3) F1 REGION DP178  
ANALOG CARBOXY TRUNCATIONS

5	ITL	
	ITLN	
	ITLNN	
	ITLNNS	SEQ ID NO:446
10	ITLNNSV	SEQ ID NO:445
	ITLNNSVA	SEQ ID NO:444
	ITLNNSVAL	SEQ ID NO:443
	ITLNNSVALD	SEQ ID NO:442
	ITLNNSVALDP	SEQ ID NO:441
15	ITLNNSVALDPI	SEQ ID NO:440
	ITLNNSVALDPID	SEQ ID NO:439
	ITLNNSVALDPIDI	SEQ ID NO:438
	ITLNNSVALDPIDIS	SEQ ID NO:437
	ITLNNSVALDPIDISI	SEQ ID NO:436
20	ITLNNSVALDPIDISIE	SEQ ID NO:435
	ITLNNSVALDPIDISIEL	SEQ ID NO:434
	ITLNNSVALDPIDISIELN	SEQ ID NO:433
	ITLNNSVALDPIDISIELNK	SEQ ID NO:432
	ITLNNSVALDPIDISIELNKA	SEQ ID NO:431
25	ITLNNSVALDPIDISIELNKAK	SEQ ID NO:430
	ITLNNSVALDPIDISIELNKAKS	SEQ ID NO:429
	ITLNNSVALDPIDISIELNKAKSD	SEQ ID NO:428
	ITLNNSVALDPIDISIELNKAKSDL	SEQ ID NO:427
	ITLNNSVALDPIDISIELNKAKSDLE	SEQ ID NO:426
30	ITLNNSVALDPIDISIELNKAKSDLEE	SEQ ID NO:425

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	ITLNNSVALDPIDISIELNKAKSDLEES	SEQ ID NO:424
	ITLNNSVALDPIDISIELNKAKSDLEESK	SEQ ID NO:423
	ITLNNSVALDPIDISIELNKAKSDLEESKE	SEQ ID NO:422
	ITLNNSVALDPIDISIELNKAKSDLEESKEW	SEQ ID NO:421
5	ITLNNSVALDPIDISIELNKAKSDLEESKEWI	SEQ ID NO:420
	ITLNNSVALDPIDISIELNKAKSDLEESKEWIR	SEQ ID NO:419
	ITLNNSVALDPIDISIELNKAKSDLEESKEWIRR	SEQ ID NO:418
	ITLNNSVALDPIDISIELNKAKSDLEESKEWIRRS	SEQ ID NO:417

---

10 The one letter amino acid code of Table 1 is used.

*Ans*

TABLE 13

HUMAN PARAINFLUENZA VIRUS 3 (HPV3) F1 REGION DP178  
ANALOG AMINO TRUNCATIONS

5

	RRS	
	IRRS	
	WIRRS	
	EWIRRS	SEQ ID NO :475
10	KEWIRRS	SEQ ID NO :474
	SKEWIRRS	SEQ ID NO :473
	ESKEWIRRS	SEQ ID NO :472
	EESKEWIRRS	SEQ ID NO :471
	LEESKEWIRRS	SEQ ID NO :470
15	DLEESKEWIRRS	SEQ ID NO :469
	SDLEESKEWIRRS	SEQ ID NO :468
	KSDLEESKEWIRRS	SEQ ID NO :467
	AKSDLEESKEWIRRS	SEQ ID NO :466
	KAKSDLEESKEWIRRS	SEQ ID NO :465
20	NKAKSDLEESKEWIRRS	SEQ ID NO :464
<i>13</i>	LNKAKSDLEESKEWIRRS	SEQ ID NO :463
	ELNKAKSDLEESKEWIRRS	SEQ ID NO :462
	IELNKAKSDLEESKEWIRRS	SEQ ID NO :461
	SIELNKAKSDLEESKEWIRRS	SEQ ID NO :460
	ISIELNKAKSDLEESKEWIRRS	SEQ ID NO :459
25	DISIELNKAKSDLEESKEWIRRS	SEQ ID NO :458
	IDISIELNKAKSDLEESKEWIRRS	SEQ ID NO :457
	PIDISIELNKAKSDLEESKEWIRRS	SEQ ID NO :456
	DPIDISIELNKAKSDLEESKEWIRRS	SEQ ID NO :455
30	LDPIDISIELNKAKSDLEESKEWIRRS	SEQ ID NO :454

	ALDPIDISIELNKAKSDLEESKEWIRRS	SEQ ID NO :453
	VALDPIDISIELNKAKSDLEESKEWIRRS	SEQ ID NO :452
	SVALDPIDISIELNKAKSDLEESKEWIRRS	SEQ ID NO :451
	NSVALDPIDISIELNKAKSDLEESKEWIRRS	SEQ ID NO :450
5	NNSVALDPIDISIELNKAKSDLEESKEWIRRS	SEQ ID NO :449
	LNNNSVALDPIDISIELNKAKSDLEESKEWIRRS	SEQ ID NO :448
	TLNNNSVALDPIDISIELNKAKSDLEESKEWIRRS	SEQ ID NO :447

---

The one letter amino acid code of Table 1 is used.

23

TABLE 14

HUMAN PARAINFLUENZA VIRUS 3 (HPV3) F1 REGION  
DP107 ANALOG CARBOXY TRUNCATIONS

5

	ALG	
	ALGV	
	ALGVA	
	ALGVAT	SEQ ID NO:504
10	ALGVATS	SEQ ID NO:503
	ALGVATSA	SEQ ID NO:502
	ALGVATSAQ	SEQ ID NO:501
	ALGVATSAQI	SEQ ID NO:500
	ALGVATSAQIT	SEQ ID NO:499
15	ALGVATSAQITA	SEQ ID NO:498
	ALGVATSAQITAA	SEQ ID NO:497
	ALGVATSAQITAAV	SEQ ID NO:496
	ALGVATSAQITAAVA	SEQ ID NO:495
	ALGVATSAQITAAVAL	SEQ ID NO:494
20	ALGVATSAQITAAVALV	SEQ ID NO:493
	ALGVATSAQITAAVALVE	SEQ ID NO:492
	ALGVATSAQITAAVALVEA	SEQ ID NO:491
	ALGVATSAQITAAVALVEAK	SEQ ID NO:490
	ALGVATSAQITAAVALVEAKQ	SEQ ID NO:489
25	ALGVATSAQITAAVALVEAKQA	SEQ ID NO:488
	ALGVATSAQITAAVALVEAKQAR	SEQ ID NO:487
	ALGVATSAQITAAVALVEAKQARS	SEQ ID NO:486
	ALGVATSAQITAAVALVEAKQARSD	SEQ ID NO:485
	ALGVATSAQITAAVALVEAKQARSDI	SEQ ID NO:484
30	ALGVATSAQITAAVALVEAKQARSDIE	SEQ ID NO:483

AB

25

	ALGVATSAQITAAVALVEAKQARSDIEK	SEQ ID NO:482
	ALGVATSAQITAAVALVEAKQARSDIEKL	SEQ ID NO:481
	ALGVATSAQITAAVALVEAKQARSDIEKLK	SEQ ID NO:480
	ALGVATSAQITAAVALVEAKQARSDIEKLKE	SEQ ID NO:479
5	ALGVATSAQITAAVALVEAKQARSDIEKLKEA	SEQ ID NO:478
	ALGVATSAQITAAVALVEAKQARSDIEKLKEAI	SEQ ID NO:477
	ALGVATSAQITAAVALVEAKQARSDIEKLKEAIR	SEQ ID NO:476

---

The one letter amino acid code of Table 1 is used.

93

TABLE 15

HUMAN PARAINFLUENZA VIRUS 3 (HPV3) F1 REGION  
DP107 ANALOG AMINO TRUNCATIONS

5

	IRD	
	AIRD	
	EAIRD	
	KEAIRD	SEQ ID NO:533
10	LKEAIRD	SEQ ID NO:532
	KLKEAIRD	SEQ ID NO:531
	EKLKEAIRD	SEQ ID NO:530
	IEKLKEAIRD	SEQ ID NO:529
	DIEKLKEAIRD	SEQ ID NO:528
15	SDIEKLKEAIRD	SEQ ID NO:527
	RSDIEKLKEAIRD	SEQ ID NO:526
	ARSDIEKLKEAIRD	SEQ ID NO:525
	QARSDIEKLKEAIRD	SEQ ID NO:524
	KQARSDIEKLKEAIRD	SEQ ID NO:523
20	AKQARSDIEKLKEAIRD	SEQ ID NO:522
	EAKQARSDIEKLKEAIRD	SEQ ID NO:521
	VEAKQARSDIEKLKEAIRD	SEQ ID NO:520
	LVEAKQARSDIEKLKEAIRD	SEQ ID NO:519
	ALVEAKQARSDIEKLKEAIRD	SEQ ID NO:518
25	VALVEAKQARSDIEKLKEAIRD	SEQ ID NO:517
	AVALVEAKQARSDIEKLKEAIRD	SEQ ID NO:516
	AAVALVEAKQARSDIEKLKEAIRD	SEQ ID NO:515
	TAVALVEAKQARSDIEKLKEAIRD	SEQ ID NO:514
	ITAAVALVEAKQARSDIEKLKEAIRD	SEQ ID NO:513
30	QITAAVALVEAKQARSDIEKLKEAIRD	SEQ ID NO:512

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	AQITAAVALVEAKQARSDIEKLKEAIRD	SEQ ID NO:511
	SAQITAAVALVEAKQARSDIEKLKEAIRD	SEQ ID NO:510
	TSAQITAAVALVEAKQARSDIEKLKEAIRD	SEQ ID NO:509
	ATSAQITAAVALVEAKQARSDIEKLKEAIRD	SEQ ID NO:508
5	VATSAQITAAVALVEAKQARSDIEKLKEAIRD	SEQ ID NO:507
	GVATSAQITAAVALVEAKQARSDIEKLKEAIRD	SEQ ID NO:506
	LGVATSAQITAAVALVEAKQARSDIEKLKEAIRD	SEQ ID NO:505

---

The one letter amino acid code of Table 1 is used.

93

TABLE 16

ANTI-RESPIRATORY SYNCYTIAL VIRUS (RSV) PEPTIDES

5	TSVITIELSNIKENCNGTDAVKLIKQELDKYKN	SEQ ID NO:15
	SVITIELSNIKENCNGTDAVKLIKQELDKYKNA	SEQ ID NO:16
	VITIELSNIKENCNGTDAVKLIKQELDKYKNAV	SEQ ID NO:17
	VAVSKVLHLEGEVNIKIALLSTNKAVVSLNSNGVS	SEQ ID NO:18
	AVSKVLHLEGEVNIKIALLSTNKAVVSLNSNGVSV	SEQ ID NO:19
10	VSKVLHLEGEVNIKIALLSTNKAVVSLNSNGVSVL	SEQ ID NO:20
	SKVLHLEGEVNIKIALLSTNKAVVSLNSNGVSVLT	SEQ ID NO:21
	KVLHLEGEVNIKIALLSTNKAVVSLNSNGVSVLTS	SEQ ID NO:22
	LEGEVNIKIALLSTNKAVVSLNSNGVSVLTSKVLD	SEQ ID NO:23
	GEVNIKIALLSTNKAVVSLNSNGVSVLTSKVLDLK	SEQ ID NO:24
15	EVNIKIALLSTNKAVVSLNSNGVSVLTSKVLDLKN	SEQ ID NO:25
	VNIKIALLSTNKAVVSLNSNGVSVLTSKVLDLKNY	SEQ ID NO:26
	NKIALLSTNKAVVSLNSNGVSVLTSKVLDLKNYI	SEQ ID NO:27
	KIALLSTNKAVVSLNSNGVSVLTSKVLDLKNYID	SEQ ID NO:28
	IALLSTNKAVVSLNSNGVSVLTSKVLDLKNYIDK	SEQ ID NO:29
20	ALLSTNKAVVSLNSNGVSVLTSKVLDLKNYIDKQ	SEQ ID NO:30
	VAVSKVLHLEGEVNIKIALLSTNKAVVSLNSNGVS	SEQ ID NO:18
	AVSKVLHLEGEVNIKIALLSTNKAVVSLNSNGVSV	SEQ ID NO:19
	VSKVLHLEGEVNIKIALLSTNKAVVSLNSNGVSVL	SEQ ID NO:20
	SKVLHLEGEVNIKIALLSTNKAVVSLNSNGVSVLT	SEQ ID NO:21
25	KVLHLEGEVNIKIALLSTNKAVVSLNSNGVSVLTS	SEQ ID NO:22
	LEGEVNIKIALLSTNKAVVSLNSNGVSVLTSKVLD	SEQ ID NO:23
	GEVNIKIALLSTNKAVVSLNSNGVSVLTSKVLDLK	SEQ ID NO:24
	EVNIKIALLSTNKAVVSLNSNGVSVLTSKVLDLKN	SEQ ID NO:25
	VNIKIALLSTNKAVVSLNSNGVSVLTSKVLDLKNY	SEQ ID NO:26
30	NKIALLSTNKAVVSLNSNGVSVLTSKVLDLKNYI	SEQ ID NO:27

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KIALLSTNKAVVSLNSNGSVLTSKVLDLKNYID	SEQ ID NO:28
IALLSTNKAVVSLNSNGSVLTSKVLDLKNYIDK	SEQ ID NO:29
ALLSTNKAVVSLNSNGSVLTSKVLDLKNYIDKQ	SEQ ID NO:30

---

5 The one letter amino acid code of Table 1 is used.

93

TABLE 17

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ANTI-HUMAN PARAINFLUENZA VIRUS 3 (HPV3) PEPTIDES		
5	TLNNSVALDPIDISIELNKAKS DLEESKEWIRRSN	SEQ ID NO:33
	LNN SVALDPIDISIELNKAKS DLEESKEWIRRSNQ	SEQ ID NO:34
	NN SVALDPIDISIELNKAKS DLEESKEWIRRSNQK	SEQ ID NO:35
	NSVALDPIDISIELNKAKS DLEESKEWIRRSNQKL	SEQ ID NO:36
	SVALDPIDISIELNKAKS DLEESKEWIRRSNQKLD	SEQ ID NO:37
10	VALDPIDISIELNKAKS DLEESKEWIRRSNQKLD S	SEQ ID NO:38
	ALDPIDISIELNKAKS DLEESKEWIRRSNQKLD S I	SEQ ID NO:39
	LDPIDISIELNKAKS DLEESKEWIRRSNQKLD S I G	SEQ ID NO:40
	DPIDISIELNKAKS DLEESKEWIRRSNQKLD S I G N	SEQ ID NO:41
	PIDISIELNKAKS DLEESKEWIRRSNQKLD S I G N W	SEQ ID NO:42
15	IDISIELNKAKS DLEESKEWIRRSNQKLD S I G N W H	SEQ ID NO:43
	DISIELNKAKS DLEESKEWIRRSNQKLD S I G N W H Q	SEQ ID NO:44
	ISIELNKAKS DLEESKEWIRRSNQKLD S I G N W H Q S	SEQ ID NO:45
	SIELNKAKS DLEESKEWIRRSNQKLD S I G N W H Q S S	SEQ ID NO:46
	IELNKAKS DLEESKEWIRRSNQKLD S I G N W H Q S S T	SEQ ID NO:47
20	ELNKAKS DLEESKEWIRRSNQKLD S I G N W H Q S S T T	SEQ ID NO:48
	TAAVALVEAKQARS D I E K L K E A I R D T N K A V Q S V Q S	SEQ ID NO:49
	AVALVEAKQARS D I E K L K E A I R D T N K A V Q S V Q S S I	SEQ ID NO:50
	LVEAKQARS D I E K L K E A I R D T N K A V Q S V Q S S I G N L	SEQ ID NO:51
	VEAKQARS D I E K L K E A I R D T N K A V Q S V Q S S I G N L I	SEQ ID NO:52
25	EAKQARS D I E K L K E A I R D T N K A V Q S V Q S S I G N L I V	SEQ ID NO:53
	AKQARS D I E K L K E A I R D T N K A V Q S V Q S S I G N L I V A	SEQ ID NO:54
	KQARS D I E K L K E A I R D T N K A V Q S V Q S S I G N L I V A I	SEQ ID NO:55
	QARS D I E K L K E A I R D T N K A V Q S V Q S S I G N L I V A I K	SEQ ID NO:56
	ARS D I E K L K E A I R D T N K A V Q S V Q S S I G N L I V A I K S	SEQ ID NO:57
30	RSD I E K L K E A I R D T N K A V Q S V Q S S I G N L I V A I K S V	SEQ ID NO:58

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SDIEKLKEAIRDTNKAQSVQSSIGNLIVAIKSVQ	SEQ ID NO:59
KLKEAIRDTNKAQSVQSSIGNLIVAIKSVQDYVN	SEQ ID NO:60
LKEAIRDTNKAQSVQSSIGNLIVAIKSVQDYVNK	SEQ ID NO:61
AIRDTNKAQSVQSSIGNLIVAIKSVQDYVNKEIV	SEQ ID NO:62

5

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The one letter amino acid code of Table 1 is used.

α3

TABLE 18

ANTI-SIMIAN IMMUNODEFICIENCY VIRUS (SIV) PEPTIDES

5	WQEWERKVDFLEENITALLEEAQIQQEKNMYELQK	SEQ ID NO:64
	QEWERKVDFLEENITALLEEAQIQQEKNMYELQKL	SEQ ID NO:65
	EWERKVDFLEENITALLEEAQIQQEKNMYELQKLN	SEQ ID NO:66
	WERKVDFLEENITALLEEAQIQQEKNMYELQKLNS	SEQ ID NO:67
	ERKVDFLEENITALLEEAQIQQEKNMYELQKLNSW	SEQ ID NO:68
10	RKVDFLEENITALLEEAQIQQEKNMYELQKLNSWD	SEQ ID NO:69
	KVDFLEENITALLEEAQIQQEKNMYELQKLNSWDV	SEQ ID NO:70
	VDFLEENITALLEEAQIQQEKNMYELQKLNSWDVF	SEQ ID NO:71
	DFLEENITALLEEAQIQQEKNMYELQKLNSWDVFG	SEQ ID NO:72
	FLEENITALLEEAQIQQEKNMYELQKLNSWDVFGN	SEQ ID NO:73

15

The one letter amino acid code of Table 1 is used.

93

TABLE 19

ANTI-MEASLES VIRUS (MEV) PEPTIDES

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5	LHRIDLGPPISLERLDVGTNLGNAIAKLEAKELL	SEQ ID NO:76
	HRIDLGPPISLERLDVGTNLGNAIAKLEAKELLE	SEQ ID NO:77
	RIDLGPPISLERLDVGTNLGNAIAKLEAKELLES	SEQ ID NO:78
	IDLGPPISLERLDVGTNLGNAIAKLEAKELLESS	SEQ ID NO:79
	DLGPPISLERLDVGTNLGNAIAKLEAKELLESSD	SEQ ID NO:80
10	LGPPISLERLDVGTNLGNAIAKLEAKELLESSDQ	SEQ ID NO:81
	GPPISLERLDVGTNLGNAIAKLEAKELLESSDQI	SEQ ID NO:82
	PPISLERLDVGTNLGNAIAKLEAKELLESSDQIL	SEQ ID NO:83
	PISLERLDVGTNLGNAIAKLEAKELLESSDQILR	SEQ ID NO:84
	SLERLDVGTNLGNAIAKLEAKELLESSDQILRSM	SEQ ID NO:85
15	LERLDVGTNLGNAIAKLEAKELLESSDQILRSMK	SEQ ID NO:86

---

The one letter amino acid code of Table 1 is used.

*α<sup>3</sup>  
concid.*

TABLE 2

DP178 CARBOXY TRUNCATIONS

5	YTS
	YTSL
	YTSLI
	YTSLIH
	YTSLIHS
10	YTSLIHSL
	YTSLIHSLI
	YTSLIHSLIE
	YTSLIHSLIEE
	YTSLIHSLIEES
15	YTSLIHSLIEESQ
	YTSLIHSLIEESQN
	YTSLIHSLIEESQNQ
	YTSLIHSLIEESQNQQ
	YTSLIHSLIEESQNQQE
20	YTSLIHSLIEESQNQQEK
	YTSLIHSLIEESQNQQEKN
	YTSLIHSLIEESQNQQEKNE
	YTSLIHSLIEESQNQQEKNEQ
	YTSLIHSLIEESQNQQEKNEQE
25	YTSLIHSLIEESQNQQEKNEQEL
	YTSLIHSLIEESQNQQEKNEQELL
	YTSLIHSLIEESQNQQEKNEQELLE
	YTSLIHSLIEESQNQQEKNEQELLEL
	YTSLIHSLIEESQNQQEKNEQELLELD
30	YTSLIHSLIEESQNQQEKNEQELLELDK

00000000000000000000000000000000

Sub A3

YTSЛИHSLIEESQNQQEKNEQELLELDKW  
YTSЛИHSLIEESQNQQEKNEQELLELDKWA  
YTSЛИHSLIEESQNQQEKNEQELLELDKWas  
YTSЛИHSLIEESQNQQEKNEQELLELDKWasL  
YTSЛИHSLIEESQNQQEKNEQELLELDKWasLW  
YTSЛИHSLIEESQNQQEKNEQELLELDKWasLWN  
YTSЛИHSLIEESQNQQEKNEQELLELDKWasLWNW  
YTSЛИHSLIEESQNQQEKNEQELLELDKWasLWNWF

10 The one letter amino acid code of Table 1 is used.

TABLE 3

DP178 AMINO TRUNCATIONS

5	NWF
	WNWF
	LWNWF
	SLWNWF
10	ASLWNWF
	WASLWNWF
	KWASLWNWF
	DKWASLWNWF
	LDKWASLWNWF
15	ELDKWASLWNWF
	LELDKWASLWNWF
	LLELDKWASLWNWF
	ELLELDKWASLWNWF
	QELLELDKWASLWNWF
20	EQELLELDKWASLWNWF
	NEQELLELDKWASLWNWF
	KNEQELLELDKWASLWNWF
	EKNEQELLELDKWASLWNWF
	QEKNQELLELDKWASLWNWF
25	QQEKNEQELLELDKWASLWNWF
	NQQEKNEQELLELDKWASLWNWF
	QQQEKNEQELLELDKWASLWNWF
	SQQQEKNEQELLELDKWASLWNWF
	ESQQQEKNEQELLELDKWASLWNWF
30	EESQQQEKNEQELLELDKWASLWNWF

IEESQNQQEKNEQELLELDKWASLWNWF  
LIEESQNQQEKNEQELLELDKWASLWNWF  
SLIEESQNQQEKNEQELLELDKWASLWNWF  
HSLIEESQNQQEKNEQELLELDKWASLWNWF  
5 IHSLIEESQNQQEKNEQELLELDKWASLWNWF  
LIHSLIEESQNQQEKNEQELLELDKWASLWNWF  
SLIHSLEESQNQQEKNEQELLELDKWASLWNWF  
TSLIHSLEESQNQQEKNEQELLELDKWASLWNWF  
YTSLIHSLEESQNQQEKNEQELLELDKWASLWNWF

10

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The one letter amino acid code of Table 1 is used.

09523523-000500

TABLE 4

DP107 CARBOXY TRUNCATIONS

5	NNL
	NNLL
	NNLLR
	NNLLRA
	NNLLRAI
10	NNLLRAIE
	NNLLRAIEA
	NNLLRAIEAQ
	NNLLRAIEAQQQ
	NNLLRAIEAQQH
15	NNLLRAIEAQQHL
	NNLLRAIEAQQHLL
	NNLLRAIEAQQHLLQ
	NNLLRAIEAQQHLLQL
	NNLLRAIEAQQHLLQLT
20	NNLLRAIEAQQHLLQLTV
	NNLLRAIEAQQHLLQLTVW
	NNLLRAIEAQQHLLQLTVWQ
	NNLLRAIEAQQHLLQLTVWQI
	NNLLRAIEAQQHLLQLTVWQIK
25	NNLLRAIEAQQHLLQLTVWQIKQ
	NNLLRAIEAQQHLLQLTVWQIKQL
	NNLLRAIEAQQHLLQLTVWQIKQLQ
	NNLLRAIEAQQHLLQLTVWQIKQLQA
	NNLLRAIEAQQHLLQLTVWQIKQLQAR
30	NNLLRAIEAQQHLLQLTVWQIKQLQARI

NNLLRAIEAQHQHLLQLTVWQIKQLQARIL  
NNLLRAIEAQHQHLLQLTVWQIKQLQARILA  
NNLLRAIEAQHQHLLQLTVWQIKQLQARILAV  
NNLLRAIEAQHQHLLQLTVWQIKQLQARILAVE  
5 NNLLRAIEAQHQHLLQLTVWQIKQLQARILAVER  
NNLLRAIEAQHQHLLQLTVWQIKQLQARILAVERY  
NNLLRAIEAQHQHLLQLTVWQIKQLQARILAVERYL  
NNLLRAIEAQHQHLLQLTVWQIKQLQARILAVERYLK  
NNLLRAIEAQHQHLLQLTVWQIKQLQARILAVERYLKD  
10 NNLLRAIEAQHQHLLQLTVWQIKQLQARILAVERYLKDQ

The one letter amino acid code of Table 1 is used.

卷之三

TABLE 5

DP107 AMINO TRUNCATIONS

5	KDQ
	LKDQ
	YLKDQ
	RYLKQDQ
	ERYLKQDQ
10	VERYLKQDQ
	AVERYLKQDQ
	LAVERYLKQDQ
	ILAVERYLKQDQ
	RILAVERYLKQDQ
15	ARILAVERYLKQDQ
	QARILAVERYLKQDQ
	LQARILAVERYLKQDQ
	QLQARILAVERYLKQDQ
	KQLQARILAVERYLKQDQ
20	IKQLQARILAVERYLKQDQ
	QIKQLQARILAVERYLKQDQ
	WQIKQLQARILAVERYLKQDQ
	VWQIKQLQARILAVERYLKQDQ
	TVWQIKQLQARILAVERYLKQDQ
25	LTVWQIKQLQARILAVERYLKQDQ
	QLTVWQIKQLQARILAVERYLKQDQ
	LQLTVWQIKQLQARILAVERYLKQDQ
	LLQLTVWQIKQLQARILAVERYLKQDQ
	HLLQLTVWQIKQLQARILAVERYLKQDQ
30	QHLLQLTVWQIKQLQARILAVERYLKQDQ

QQHLLQLTVWQIKQLQARILAVERYLKDQ  
AQQHLLQLTVWQIKQLQARILAVERYLKDQ  
EAQQHLLQLTVWQIKQLQARILAVERYLKDQ  
IEAQQHLLQLTVWQIKQLQARILAVERYLKDQ  
5 AIEAQQHLLQLTVWQIKQLQARILAVERYLKDQ  
RAIEAQQHLLQLTVWQIKQLQARILAVERYLKDQ  
LRAIEAQQHLLQLTVWQIKQLQARILAVERYLKDQ  
LLRAIEAQQHLLQLTVWQIKQLQARILAVERYLKDQ  
NLLRAIEAQQHLLQLTVWQIKQLQARILAVERYLKDQ  
10 NNLLRAIEAQQHLLQLTVWQIKQLQARILAVERYLKDQ

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The one letter amino acid code of Table 1 is used.

09623532-09605000

TABLE 6

## HIV-2<sub>NTHZ</sub> DP178 analog carboxy truncations.

5	LEA
	LEAN
	LEANI
	LEANIS
	LEANISQ
10	LEANISQS
	LEANISQSL
	LEANISQSLE
	LEANISQSLEQ
	LEANISQSLEQA
15	LEANISQSLEQAQ
	LEANISQSLEQAQI
	LEANISQSLEQAQIQ
	LEANISQSLEQAQIQQ
	LEANISQSLEQAQIQQE
20	LEANISQSLEQAQIQQEK
	LEANISQSLEQAQIQQEKN
	LEANISQSLEQAQIQQEKNM
	LEANISQSLEQAQIQQEKNMY
	LEANISQSLEQAQIQQEKNMYE
25	LEANISQSLEQAQIQQEKNMYEL
	LEANISQSLEQAQIQQEKNMYELQ
	LEANISQSLEQAQIQQEKNMYELQK
	LEANISQSLEQAQIQQEKNMYELQKL
	LEANISQSLEQAQIQQEKNMYELQKLN
30	LEANISQSLEQAQIQQEKNMYELQKLN

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LEANISQSLEQAQIQQEKNMYELQKLNSW  
LEANISQSLEQAQIQQEKNMYELQKLNSWD  
LEANISQSLEQAQIQQEKNMYELQKLNSWDV  
LEANISQSLEQAQIQQEKNMYELQKLNSWDVF  
5 LEANISQSLEQAQIQQEKNMYELQKLNSWDVFT  
LEANISQSLEQAQIQQEKNMYELQKLNSWDVFTN  
LEANISQSLEQAQIQQEKNMYELQKLNSWDVFTNW  
LEANISQSLEQAQIQQEKNMYELQKLNSWDVFTNWL

---

10 The one letter amino acid code of Table 1 is used.

000000000000000000000000

TABLE 7

HIV-2<sub>NIHZ</sub> DP178 analog amino truncations.

5	NWL
	TNWL
	FTNWL
	VFTNWL
	DVFTNWL
10	WDVFTNWL
	SWDVFTNWL
	NSWDVFTNWL
	LNSWDVFTNWL
	KLNSWDVFTNWL
15	QKLNSWDVFTNWL
	LQKLNSWDVFTNWL
	ELQKLNSWDVFTNWL
	YELQKLNSWDVFTNWL
	MYELQKLNSWDVFTNWL
20	NMYELQKLNSWDVFTNWL
	KNMYELQKLNSWDVFTNWL
	EKNMYELQKLNSWDVFTNWL
	QEKNMYELQKLNSWDVFTNWL
	QQEKNMYELQKLNSWDVFTNWL
25	IQQEKNMYELQKLNSWDVFTNWL
	QIQQEKNMYELQKLNSWDVFTNWL
	AQIQQEKNMYELQKLNSWDVFTNWL
	QAQIQQEKNMYELQKLNSWDVFTNWL
	EQAQIQQEKNMYELQKLNSWDVFTNWL
30	LEQAQIQQEKNMYELQKLNSWDVFTNWL

SLEQAQIQQEKNMYELQKLNSWDVFTNWL  
QSLEQAQIQQEKNMYELQKLNSWDVFTNWL  
SQSLEQAQIQQEKNMYELQKLNSWDVFTNWL  
ISQSLEQAQIQQEKNMYELQKLNSWDVFTNWL  
5 NISQSLEQAQIQQEKNMYELQKLNSWDVFTNWL  
ANISQSLEQAQIQQEKNMYELQKLNSWDVFTNWL  
EANISQSLEQAQIQQEKNMYELQKLNSWDVFTNWL  
LEANISQSLEQAQIQQEKNMYELQKLNSWDVFTNWL

---

10 The one letter amino acid code of Table 1 is used.

0000000000-00000000

TABLE 8

RESPIRATORY SYNCYTIAL VIRUS (RSV) DP107 F2  
REGION ANALOG CARBOXY TRUNCATIONS

5	YTS
	YTSV
	YTSVI
	YTSVIT
10	YTSVITI
	YTSVITIE
	YTSVITIEL
	YTSVITIELS
	YTSVITIELSN
15	YTSVITIELSNI
	YTSVITIELSNIK
	YTSVITIELSNIKE
	YTSVITIELSNIKEN
	YTSVITIELSNIKENK
20	YTSVITIELSNIKENKC
	YTSVITIELSNIKENKCN
	YTSVITIELSNIKENKNG
	YTSVITIELSNIKENKNGT
	YTSVITIELSNIKENKNGTD
25	YTSVITIELSNIKENKNGTDA
	YTSVITIELSNIKENKNGTDAK
	YTSVITIELSNIKENKNGTDAKV
	YTSVITIELSNIKENKNGTDAKVK
	YTSVITIELSNIKENKNGTDAKVKL
30	YTSVITIELSNIKENKNGTDAKVLI

YTSVITIELSNIKENCNGTDAVKLIK  
YTSVITIELSNIKENCNGTDAVKLIKQ  
YTSVITIELSNIKENCNGTDAVKLIKQE  
YTSVITIELSNIKENCNGTDAVKLIKQEL  
5 YTSVITIELSNIKENCNGTDAVKLIKQELD  
YTSVITIELSNIKENCNGTDAVKLIKQELDK  
YTSVITIELSNIKENCNGTDAVKLIKQELDKY  
YTSVITIELSNIKENCNGTDAVKLIKQELDKYK  
YTSVITIELSNIKENCNGTDAVKLIKQELDKYKN  
10 YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNA  
YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAV  
YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAV  
YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTE  
YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTEL  
15 YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTELQ  
YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTELQL  
YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTELQLL  
YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTELQLLM  
YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTELQLLMQ  
20 YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTELQLLMQS  
YTSVITIELSNIKENCNGTDAVKLIKQELDKYKNAVTELQLLMQST

---

The one letter amino acid code of Table 1 is used.

TABLE 9

RESPIRATORY SYNCYTIAL VIRUS (RSV) DP107 F2  
REGION ANALOG AMINO TRUNCATIONS

5	QST
	MQST
	LMQST
	LLMQST
10	QLLMQST
	LQLLMQST
	ELQQLLMQST
	TELQQLLMQST
	VTELQQLLMQST
15	AVTELQQLLMQST
	NAVTELQQLLMQST
	KNAVTELQQLLMQST
	YKNAVTELQQLLMQST
	KYKNAVTELQQLLMQST
20	DKYKNAVTELQQLLMQST
	LDKYKNAVTELQQLLMQST
	ELDKYKNAVTELQQLLMQST
	QELDKYKNAVTELQQLLMQST
	KQELDKYKNAVTELQQLLMQST
25	IKQELDKYKNAVTELQQLLMQST
	LIKQELDKYKNAVTELQQLLMQST
	KLIKQELDKYKNAVTELQQLLMQST
	VKLIKQELDKYKNAVTELQQLLMQST
	KVKLIKQELDKYKNAVTELQQLLMQST
30	AKVKLIKQELDKYKNAVTELQQLLMQST

DAVKLIKQELDKYKNAVTELQLLMQST  
TDAVKLIKQELDKYKNAVTELQLLMQST  
GTDALKLIKQELDKYKNAVTELQLLMQST  
NGTDALKLIKQELDKYKNAVTELQLLMQST  
5 CNGTDALKLIKQELDKYKNAVTELQLLMQST  
KCNGTDALKLIKQELDKYKNAVTELQLLMQST  
NKCNGTDALKLIKQELDKYKNAVTELQLLMQST  
KENKCNGTDALKLIKQELDKYKNAVTELQLLMQST  
IKENKCNGTDALKLIKQELDKYKNAVTELQLLMQST  
10 NIKENCNGTDALKLIKQELDKYKNAVTELQLLMQST  
SNIKENCNGTDALKLIKQELDKYKNAVTELQLLMQST  
LSNIKENCNGTDALKLIKQELDKYKNAVTELQLLMQST  
ELSNIKENCNGTDALKLIKQELDKYKNAVTELQLLMQST  
IELSNIKENCNGTDALKLIKQELDKYKNAVTELQLLMQST  
15 TIELSNIKENCNGTDALKLIKQELDKYKNAVTELQLLMQST  
ITIELSNIKENCNGTDALKLIKQELDKYKNAVTELQLLMQST  
VITIELSNIKENCNGTDALKLIKQELDKYKNAVTELQLLMQST  
SVITIELSNIKENCNGTDALKLIKQELDKYKNAVTELQLLMQST  
TSVITIELSNIKENCNGTDALKLIKQELDKYKNAVTELQLLMQST  
20

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The one letter amino acid code of Table 1 is used.

TABLE 10

RESPIRATORY SYNCYTIAL VIRUS (RSV) F1 DP178  
REGION ANALOG CARBOXY TRUNCATIONS

5	FYD
	FYDP
	FYDPL
	FYDPLV
10	FYDPLVF
	FYDPLVFP
	FYDPLVFPS
	FYDPLVFPSD
	FYDPLVFPSDE
15	FYDPLVFPSDEF
	FYDPLVFPSDEFD
	FYDPLVFPSDEFDA
	FYDPLVFPSDEFDAS
	FYDPLVFPSDEFDASI
20	FYDPLVFPSDEFDASIS
	FYDPLVFPSDEFDASISQ
	FYDPLVFPSDEFDASISQV
	FYDPLVFPSDEFDASISQVN
	FYDPLVFPSDEFDASISQVNE
25	FYDPLVFPSDEFDASISQVNEK
	FYDPLVFPSDEFDASISQVNEKI
	FYDPLVFPSDEFDASISQVNEKIN
	FYDPLVFPSDEFDASISQVNEKINQ
	FYDPLVFPSDEFDASISQVNEKINQS
30	FYDPLVFPSDEFDASISQVNEKINQSL

00000000000000000000000000000000

FYDPLVFP\$DEFDA\$ISQVNEKINQSLA  
FYDPLVFP\$DEFDA\$ISQVNEKINQSLAF  
FYDPLVFP\$DEFDA\$ISQVNEKINQSLAFI  
FYDPLVFP\$DEFDA\$ISQVNEKINQSLAFIR  
5 FYDPLVFP\$DEFDA\$ISQVNEKINQSLAFIRK  
FYDPLVFP\$DEFDA\$ISQVNEKINQSLAFIRKS  
FYDPLVFP\$DEFDA\$ISQVNEKINQSLAFIRKS\$D  
FYDPLVFP\$DEFDA\$ISQVNEKINQSLAFIRKS\$DE  
FYDPLVFP\$DEFDA\$ISQVNEKINQSLAFIRKS\$DEL  
10 FYDPLVFP\$DEFDA\$ISQVNEKINQSLAFIRKS\$DELL

The one letter amino acid code of Table 1 is used.

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TABLE 11

RESPIRATORY SYNCYTIAL VIRUS (RSV) F1 DP178  
REGION ANALOG AMINO TRUNCATIONS

5	DELL
	SDELL
	KSDELL
	RKSDELL
10	IRKSDELL
	FIRKSDELL
	AFIRKSDELL
	LAFIRKSDELL
	SLAFIRKSDELL
15	QSLAFIRKSDELL
	NQSLAFIRKSDELL
	INQSLAFIRKSDELL
	KINQSLAFIRKSDELL
	EKINQSLAFIRKSDELL
20	NEKINQSLAFIRKSDELL
	VNEKINQSLAFIRKSDELL
	QVNEKINQSLAFIRKSDELL
	SQVNEKINQSLAFIRKSDELL
	ISQVNEKINQSLAFIRKSDELL
25	SISQVNEKINQSLAFIRKSDELL
	ASISQVNEKINQSLAFIRKSDELL
	DASISQVNEKINQSLAFIRKSDELL
	FDASISQVNEKINQSLAFIRKSDELL
	EFDASISQVNEKINQSLAFIRKSDELL
30	DEFDASISQVNEKINQSLAFIRKSDELL

SDEFDASISQVNEKINQSLAFIRKSDELL  
PSDEFDASISQVNEKINQSLAFIRKSDELL  
FPSDEFDASISQVNEKINQSLAFIRKSDELL  
VFPSSDEFDASISQVNEKINQSLAFIRKSDELL  
LVFPSSDEFDASISQVNEKINQSLAFIRKSDELL  
PLVFPSSDEFDASISQVNEKINQSLAFIRKSDELL  
DPLVFPSSDEFDASISQVNEKINQSLAFIRKSDELL  
YDPLVFPSSDEFDASISQVNEKINQSLAFIRKSDELL

10 The one letter amino acid code of Table 1 is used.

TABLE 12

HUMAN PARAINFLUENZA VIRUS 3 (HPV3) F1 REGION DP178  
ANALOG CARBOXY TRUNCATIONS

5

ITL

ITLN

ITLNN

ITLNNS

10

ITLNNSV

ITLNNSVA

ITLNNSVAL

ITLNNSVALD

ITLNNSVALDP

15

ITLNNSVALDPPI

ITLNNSVALDPID

ITLNNSVALDPIDI

ITLNNSVALDPIDIS

ITLNNSVALDPIDISI

20

ITLNNSVALDPIDISIE

ITLNNSVALDPIDISIEL

ITLNNSVALDPIDISIELN

ITLNNSVALDPIDISIELNK

ITLNNSVALDPIDISIELNKA

25

ITLNNSVALDPIDISIELNKAK

ITLNNSVALDPIDISIELNKAKS

ITLNNSVALDPIDISIELNKAKSD

ITLNNSVALDPIDISIELNKAKSDL

ITLNNSVALDPIDISIELNKAKSDLE

30

ITLNNSVALDPIDISIELNKAKSDLEE

ITLNNSVALDPIDISIELNKAKSDLEES  
ITLNNSVALDPIDISIELNKAKSDLEESK  
ITLNNSVALDPIDISIELNKAKSDLEESKE  
ITLNNSVALDPIDISIELNKAKSDLEESKEW  
5 ITLNNSVALDPIDISIELNKAKSDLEESKEWI  
ITLNNSVALDPIDISIELNKAKSDLEESKEWIR  
ITLNNSVALDPIDISIELNKAKSDLEESKEWIRR  
ITLNNSVALDPIDISIELNKAKSDLEESKEWIRRS

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10 The one letter amino acid code of Table 1 is used.

000000-000000-000000

TABLE 13

# HUMAN PARAINFLUENZA VIRUS 3 (HPV3) F1 REGION DP178 ANALOG AMINO TRUNCATIONS

5	RRS
	IRRS
	WIRRS
	EWIRRS
10	KEWIRRS
	SKEWIRRS
	ESKEWIRRS
	EESKEWIRRS
	LEESKEWIRRS
15	DLEESKEWIRRS
	SDLEESKEWIRRS
	KSDLEESKEWIRRS
	AKSDLEESKEWIRRS
	KAKSDLEESKEWIRRS
20	NKAKSDLEESKEWIRRS
	LNKAKSDLEESKEWIRRS
	ELNKAKSDLEESKEWIRRS
	IENLKAKSDLEESKEWIRRS
	SIENLKAKSDLEESKEWIRRS
25	ISIENLKAKSDLEESKEWIRRS
	DISIENLKAKSDLEESKEWIRRS
	IDISIENLKAKSDLEESKEWIRRS
	PIDISIENLKAKSDLEESKEWIRRS
	DPIDISIENLKAKSDLEESKEWIRRS
30	LPIDISIENLKAKSDLEESKEWIRRS

ALDPIDISIELNKAKSDLEESKEWIRRS  
VALDPIDISIELNKAKSDLEESKEWIRRS  
SVALDPIDISIELNKAKSDLEESKEWIRRS  
NSVALDPIDISIELNKAKSDLEESKEWIRRS  
NNSVALDPIDISIELNKAKSDLEESKEWIRRS  
LNNSVALDPIDISIELNKAKSDLEESKEWIRRS  
TLNNSVALDPIDISIELNKAKSDLEESKEWIRRS

The one letter amino acid code of Table 1 is used.

卷之三

TABLE 14

HUMAN PARAINFLUENZA VIRUS 3 (HPV3) F1 REGION  
DP107 ANALOG CARBOXY TRUNCATIONS

5	ALG
	ALGV
	ALGVA
	ALGVAT
10	ALGVATS
	ALGVATSA
	ALGVATSAQ
	ALGVATSAQI
	ALGVATSAQIT
15	ALGVATSAQITA
	ALGVATSAQITAA
	ALGVATSAQITA AV
	ALGVATSAQITA AAVA
	ALGVATSAQITA AVAL
20	ALGVATSAQITA AVALV
	ALGVATSAQITA AVALVE
	ALGVATSAQITA AVALVEA
	ALGVATSAQITA AVALVEAK
	ALGVATSAQITA AVALVEAKQ
25	ALGVATSAQITA AVALVEAKQA
	ALGVATSAQITA AVALVEAKQAR
	ALGVATSAQITA AVALVEAKQARS
	ALGVATSAQITA AVALVEAKQARSD
	ALGVATSAQITA AVALVEAKQARSDI
30	ALGVATSAQITA AVALVEAKQARSDIE

5

ALGVATSAQITAVALVEAKQARS DIEK  
ALGVATSAQITAVALVEAKQARS DIEKL  
ALGVATSAQITAVALVEAKQARS DIEKLK  
ALGVATSAQITAVALVEAKQARS DIEKLKE  
ALGVATSAQITAVALVEAKQARS DIEKLKEA  
ALGVATSAQITAVALVEAKQARS DIEKLKEAI  
ALGVATSAQITAVALVEAKQARS DIEKLKEAIR

The one letter amino acid code of Table 1 is used.

卷之三

TABLE 15

HUMAN PARAINFLUENZA VIRUS 3 (HPV3) F1 REGION  
DP107 ANALOG AMINO TRUNCATIONS

5	IRD
	AIRD
	EAIRD
	KEAIRD
10	LKEAIRD
	KLKEAIRD
	EKLKEAIRD
	IEKLKEAIRD
	DIEKLKEAIRD
15	SDIEKLKEAIRD
	RSDIEKLKEAIRD
	ARSDIEKLKEAIRD
	QARS DIEKLKEAIRD
	KQARS DIEKLKEAIRD
20	AKQARS DIEKLKEAIRD
	EAKQARS DIEKLKEAIRD
	VEAKQARS DIEKLKEAIRD
	LVEAKQARS DIEKLKEAIRD
	ALVEAKQARS DIEKLKEAIRD
25	VALVEAKQARS DIEKLKEAIRD
	AVALVEAKQARS DIEKLKEAIRD
	AAVALVEAKQARS DIEKLKEAIRD
	TAVALVEAKQARS DIEKLKEAIRD
	ITAAVALVEAKQARS DIEKLKEAIRD
30	QITAAVALVEAKQARS DIEKLKEAIRD

5 AQITAVALVEAKQARSDIEKLKEAIRD  
SAQITAVALVEAKQARSDIEKLKEAIRD  
TSAQITAVALVEAKQARSDIEKLKEAIRD  
ATSAQITAVALVEAKQARSDIEKLKEAIRD  
VATSAQITAVALVEAKQARSDIEKLKEAIRD  
GVATSAQITAVALVEAKQARSDIEKLKEAIRD  
LGVATSAQITAVALVEAKQARSDIEKLKEAIRD

The one letter amino acid code of Table 1 is used.

09623833 = 09815010

TABLE 16

ANTI-RESPIRATORY SYNCYTIAL VIRUS (RSV) PEPTIDES

5	TSVITIELSNIKENCNGTDAVKLIKQELDKYKN SVITIELSNIKENCNGTDAVKLIKQELDKYKNA VITIELSNIKENCNGTDAVKLIKQELDKYKNAV VAVSKVLHLEGEVNKIALLSTNKAVVSLNSNGVS AVSKVLHLEGEVNKIALLSTNKAVVSLNSNGVSV
10	VSKVLHLEGEVNKIALLSTNKAVVSLNSNGVSVL SKVLHLEGEVNKIALLSTNKAVVSLNSNGVSVLT KVLHLEGEVNKIALLSTNKAVVSLNSNGVSVLTS LEGEVNKIALLSTNKAVVSLNSNGVSVLTSKVLD GEVNKIALLSTNKAVVSLNSNGVSVLTSKVLDLK
15	EVNKIALLSTNKAVVSLNSNGVSVLTSKVLDLKN VNKIALLSTNKAVVSLNSNGVSVLTSKVLDLKNY NKIALLSTNKAVVSLNSNGVSVLTSKVLDLKNYI KIALLSTNKAVVSLNSNGVSVLTSKVLDLKNYID IALLSTNKAVVSLNSNGVSVLTSKVLDLKNYIDK
20	ALLSTNKAVVSLNSNGVSVLTSKVLDLKNYIDKQ VAVSKVLHLEGEVNKIALLSTNKAVVSLNSNGVS AVSKVLHLEGEVNKIALLSTNKAVVSLNSNGVSV VSKVLHLEGEVNKIALLSTNKAVVSLNSNGVSVL SKVLHLEGEVNKIALLSTNKAVVSLNSNGVSVLT
25	KVLHLEGEVNKIALLSTNKAVVSLNSNGVSVLTS LEGEVNKIALLSTNKAVVSLNSNGVSVLTSKVLD GEVNKIALLSTNKAVVSLNSNGVSVLTSKVLDLK EVNKIALLSTNKAVVSLNSNGVSVLTSKVLDLKN VNKIALLSTNKAVVSLNSNGVSVLTSKVLDLKNY
30	NKIALLSTNKAVVSLNSNGVSVLTSKVLDLKNYI

KIALLSTNKAVVSLNSNGVSVLTSKVLDLKNYID  
IALLSTNKAVVSLNSNGVSVLTSKVLDLKNYIDK  
ALLSTNKAVVSLNSNGVSVLTSKVLDLKNYIDKQ

---

5 The one letter amino acid code of Table 1 is used.

TABLE 17

## ANTI-HUMAN PARAINFLUENZA VIRUS 3 (HPV3) PEPTIDES

5 TLNNNSVALDPIDISIELNKAKS DLEESKEWIRRSN  
LNNSVALDPIDISIELNKAKS DLEESKEWIRRSNQ  
NNNSVALDPIDISIELNKAKS DLEESKEWIRRSNQK  
NSVALDPIDISIELNKAKS DLEESKEWIRRSNQKL  
SVALDPIDISIELNKAKS DLEESKEWIRRSNQKL  
10 VALDPIDISIELNKAKS DLEESKEWIRRSNQKLDS  
ALDPIDISIELNKAKS DLEESKEWIRRSNQKLDSI  
LDPIDISIELNKAKS DLEESKEWIRRSNQKLDSIG  
DPIDISIELNKAKS DLEESKEWIRRSNQKLDSIGN  
PIDISIELNKAKS DLEESKEWIRRSNQKLDSIGNW  
15 IDISIELNKAKS DLEESKEWIRRSNQKLDSIGNWH  
DISIELNKAKS DLEESKEWIRRSNQKLDSIGNWHQ  
ISIELNKAKS DLEESKEWIRRSNQKLDSIGNWHQS  
SIELNKAKS DLEESKEWIRRSNQKLDSIGNWHQSST  
IELNKAKS DLEESKEWIRRSNQKLDSIGNWHQSST  
20 ELNKAKS DLEESKEWIRRSNQKLDSIGNWHQSSTT  
TAAVALVEAKQARS DIEKLKEAIRDTNKA VQSVQQS  
AVALVEAKQARS DIEKLKEAIRDTNKA VQSVQSSIGNL  
LVEAKQARS DIEKLKEAIRDTNKA VQSVQSSIGNL  
VEAKQARS DIEKLKEAIRDTNKA VQSVQSSIGNL  
25 EAKQARS DIEKLKEAIRDTNKA VQSVQSSIGNLIV  
AKQARS DIEKLKEAIRDTNKA VQSVQSSIGNLIV  
KQARS DIEKLKEAIRDTNKA VQSVQSSIGNLIVAI  
QARS DIEKLKEAIRDTNKA VQSVQSSIGNLIVAI  
ARS DIEKLKEAIRDTNKA VQSVQSSIGNLIVAIKS  
30 RSDIEKLKEAIRDTNKA VOSVOSSIGNLIVAIKS

SDIEKLKEAIRDTNKAVQSVQSSIGNLIVAIKSVQ  
KLKEAIRDTNKAVQSVQSSIGNLIVAIKSVQDYVN  
LKEAIRDTNKAVQSVQSSIGNLIVAIKSVQDYVNK  
AIRDTNKAVQSVQSSIGNLIVAIKSVQDYVNKEIV

5

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The one letter amino acid code of Table 1 is used.

09623523 - 090500

TABLE 18

ANTI-SIMIAN IMMUNODEFICIENCY VIRUS (SIV) PEPTIDES

5	WQEWERKVDFLEENITALLEEAQIQQEKNMYELQK QEWERKVDFLEENITALLEEAQIQQEKNMYELQKL EWERKVDFLEENITALLEEAQIQQEKNMYELQKL WERKVDFLEENITALLEEAQIQQEKNMYELQKLNS
10	ERKVDFLEENITALLEEAQIQQEKNMYELQKLNSW RKVDFLEENITALLEEAQIQQEKNMYELQKLNSWD KVDFLEENITALLEEAQIQQEKNMYELQKLNSWDV VDFLEENITALLEEAQIQQEKNMYELQKLNSWDVF DFLEENITALLEEAQIQQEKNMYELQKLNSWDVFG FLEENITALLEEAQIQQEKNMYELQKLNSWDVFGN
15	

The one letter amino acid code of Table 1 is used.

TABLE 19

ANTI-MEASLES VIRUS (MEV) PEPTIDES

5	LHRIDLGPPISLERLDVGTNLGNAIAKLEAKELL HRIDLGPPISLERLDVGTNLGNAIAKLEAKELLE RIDLGPPISLERLDVGTNLGNAIAKLEAKELLES IDLGPPISLERLDVGTNLGNAIAKLEAKELLESS DLGPPISLERLDVGTNLGNAIAKLEAKELLESSD
10	LGPPISLERLDVGTNLGNAIAKLEAKELLESSDQ GPPISLERLDVGTNLGNAIAKLEAKELLESSDQI PPISLERLDVGTNLGNAIAKLEAKELLESSDQIL PISLERLDVGTNLGNAIAKLEAKELLESSDQILR SLERLDVGTNLGNAIAKLEAKELLESSDQILRSM
15	LERLDVGTNLGNAIAKLEAKELLESSDQILRSMK

The one letter amino acid code of Table 1 is used.